

Title (en)

A converter device for driving light sources, corresponding method and computer program product

Title (de)

Wandlervorrichtung zum Betreiben von Lichtquellen, sowie entsprechendes Verfahren und Computerprogrammprodukt

Title (fr)

Dispositif convertisseur pour la commande de sources lumineuses, procédé et produit programme d'ordinateur correspondants

Publication

EP 2242336 A1 20101020 (EN)

Application

EP 10158075 A 20100326

Priority

IT TO20090255 A 20090402

Abstract (en)

A device for driving light sources (L), including: - a self-oscillating output stage (112) for driving at least one light source (L), wherein the output stage (112) has a supply line for a supply signal (V), and - a starter circuit (R s , C s , D, T d) coupled to said supply line for starting the self-oscillation of the output stage (112), - an electronic switch (T e) associated with the self-oscillating output stage (112), wherein the electronic switch (T e) is configured for stopping selectively the oscillation of the output stage (112), and - a control circuit (108) adapted for detecting the presence of a DC supply signal (V) adapted to induce the oscillation of the self-oscillating output stage (112), and wherein the control circuit (108) is configured, in the presence of a DC supply signal, to drive the electronic switch (T e) and selectively stop the oscillation of the output stage (112).

IPC 8 full level

H05B 39/04 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP KR US)

H05B 39/045 (2013.01 - EP KR US); **H05B 45/10** (2020.01 - EP KR US); **H05B 45/39** (2020.01 - EP KR US); **Y02B 20/00** (2013.01 - EP); **Y02B 20/30** (2013.01 - EP KR)

Citation (applicant)

- DE 4238913 A1 19940526 - MIKROELEKTRONIK UND TECHNOLOGI [DE]
- EP 0331157 A2 19890906 - BEME ELECTRONIC GMBH [DE], et al

Citation (search report)

- [X] EP 0331157 A2 19890906 - BEME ELECTRONIC GMBH [DE], et al
- [X] DE 4238913 A1 19940526 - MIKROELEKTRONIK UND TECHNOLOGI [DE]
- [A] US 5083255 A 19920121 - NILSEN OLE K [US]
- [A] EP 0682464 A1 19951115 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] EP 1811816 A1 20070725 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- [A] DE 4238471 A1 19940519 - INSTA ELEKTRO GMBH & CO KG [DE]
- [A] DE 4201744 A1 19930729 - INSTA ELEKTRO GMBH & CO KG [DE]

Cited by

EP2987044A4; US10167220B2; WO2013072793A1; US9332603B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10158075 A 20100326; CN 201010151270 A 20100402; KR 20100030289 A 20100402